Some 40 other species unenumerated in this list.

COLORADO FLORA. M Jones 1878

Picea Engelmanni, Engl.
subalpina.
Abronia cycloptera, Gray.
fragrans, Nutt.
Acer glabrum, Torr.
Achillea Millefolium, L.
Aconitum nasutum, Fisch.
Actæa spicata, L., var. arguta.
Actinella acaulis, Nutt.
grandiflora, T. & G.
Richardsonii, Nutt.
scaposa, Nutt.
Adoxa Moscatellina, L.
Agrimonia Eupatoria, L.
Agrostis scabra, Willd.
varians. R. Br.
Allium cernuum, Roth.
reticulatum, Fras.
Nuttallii, Watson.
Alnus incana, Willd.
Alopecurus aristulatus, Mx.
Amarantus albus, L.
blitoides, Watson.
retroflexus, L.
Ambrosia psilostachya, DC.
trifida, L.
Amelanchier Can., var. alnifolia
Ammannia latifolia, L.
Amorpha fruticosa, Nutt.
Ampelopsis quinquefolia, Mx.
Andropogon ~~argenteus, DC.~~
~~furcatus, Muhl.~~
scoparius, Mx.
Androsace septentrionalis, L.
Anemone multifida, DC.
patens, L. var. Nuttalliana.
Pennsylvanica, L.
Antennaria alpina, Gærtn.
Carpathica, R. Brown, var. pulcherrima, Hook.
dioica, Gærtn.
Aphyllon fasciculatum, T. & G.
Apocynum cannabinum, L.
androsæmifolium, L.
Aplopappus Fremontii, Gray.
inuloides, T. & G.
Parryi, Gray.
pygmæus, Gray.
~~ruviginosus. T. & G.~~
spinulosus. DC.
Aquilegia cærulea, Torr.
vulgaris, L. var.
Arabis Drummondii, Gray.
hirsuta, Scop.
retrofracta, Grah.
Aralia nudicaulis, L.
Archangelica atropurp., Hoffm.
Gmelini, DC.
Arctostaphylos Uva-ursi, Spr.
Arenaria arctica, Stev.
Fendleri, Gray.
" var. subcongesta, Wat.
" var. effusa, Porter.
lateriflora, L.
verna, L.
Rossii. R. Br.
Arceuthobium robustum, Eng.
Archemora Fendleri, Gray.
Argemone hispida, Gray.
Aristida oligantha, Mx.
purpurea, Nutt., var. Fendleri.
Arnica angustifolia, Wahl.
cordifolia, Hook.
latifolia, Bong.
mollis, Hook.
Artemisia ~~arctica, Less.~~
~~borealis, Pall.~~
Canadensis, Mx.
Artemisia filifolia, Torr.
dracunculoides, Pursh.
frigida, Willd.
Ludoviciana, Nutt., typical form and 3 varieties.
scopulorum, Gray.
glomerata, Gray.
Norvegica, L.
tridentata, Pursh.
biennis, L.
Asclepias speciosa, Torr.
ovalifolia. Decaisne.
verticillata, L., var.
Aspidium Filix-mas, Swz.
Asplenium Trichomanes, L.
septentrionale. L.
Aster Fendleri, Gray.
adscendens, Lindl.
" var. ciliatifolius, T. & G.
" var. Fremontii, T. & G.
" var. Parryi, Watson.
ericoides. L., var. strictus.
Coloradensis. Gray.
Nuttallii, T. & G.
glacialis, Nutt.
glaucus, T. & G.
lævis. L.
multiflorus, Ait.
Novæ-Angliæ, L.
ptarmicoides, T. & G.
salsuginosus, Rich.
Astragalus aboriginum, Rich.
adsurgens, Pall.
alpinus, L.
bisulcatus, Gray.
campestris, Gray.
Canadensis, L.
caryocarpus, Ker.
decumbens, Gray.
diversifolius, Gray.
Drummondii, Dougl.
flexuosus, Dougl.
hypoglottis. L.
iodanthus, Watson.
Kentrophyta, Gray.
lotiflorus. Hook.
microlobus, Gray.
Missouriensis, Nutt.
multiflorus, Gray.
oroboides, Hornem, var. ~~Americanus, Gray.~~
Parryi, Gray.
pictus, Gray, var. ~~filifolius, Gray.~~
racemosus, Pursh.
Shortianus, Nutt.
sparsiflorus, Gray.
triflorus, Gray.
Atriplex patula, L.

Bahia oppositifolia, T. & G.
Beckmannia erucaeformis, Host
Berberis Aquifolium, Pursh.
Betula glandulosa, Mx.
occidentalis, Hook.
Blitum capitatum, L.
Bidens chrysanthemoides, Mx.
frondosa, L.
bipinnata, L.
Bigelovia Bigelovii, Gray.
Douglasii, Gray.
var. latifolia, Gray.
var. tortifolia, Gray.
graveolens, Gray. var.
~~Howardii, Gray.~~
Parryi, Gray.
~~Borrichia~~ Borragia
Bouteloua curtipendula, Gray.
oligostachya, Torr.
Brickellia Californica, Gray,
grandiflora, Nutt.
Bromus ciliatus, L., and var. purgans, L.
breviaristatus, Thurber?
Brunella vulgaris, L.
Buchloe dactyloides. Eng.
Calamagrostis Canadensis, Bv
stricta, Trin.
Calandrinia pygmaea, Gray.
Callitriche verna, L.
Calochortus Gunnisoni, Watson
Caltha leptosepala, DC.
Calystegia sepium. R. Br.
Camelina sativa, Crantz.
Campanula uniflora, L.
Langsdorffiana, Fisch.
rotundifolia, L.
Capsella Bursa-pastoris, M'nch
Cardamine cordifolia, Gray.
Carum Gairdneri, B. & H.
Castilleia breviflora, Gray.
integra, Gray.
linariaefolia, Benth.
pallida, Kth and two forms called varieties.
sessiliflora, Pursh.
Catabrosa aquatica, Beauv.
Ceanothus Fendleri, Gray.
ovalis, Bigelow.
ovatus, Desf.
Cenchrus tribuloides, L.
Cercocarpus parvifolius, Nutt.
Cerastium arvense, L.
vulgatum, L., var. Behringianum, Gray.
nutans, Raf., var. brachypodium, Eng.
Cereus viridiflorus, Eng.
Chaenactis Douglasii, H. & A.
Chara, two species not named.
Cheilanthes Fendleri, Hook.
lanuginosa, Nutt.
tomentosa, Link.
Chenopodium album, L.
Fremontii, Watson.
hybridum, L.
leptophyllum, Watson.
Chionophila Jamesii, Benth.
Chrysopsis villosa, Nutt. 3 vars.
Cicuta maculata, L.
Circaea Pacifica, Gray.
Cnicus Drummondii, var. acaulescens, Gray.
eriocephalus, Gray.
Parryi, Gray.
undulatus, L.
Claytonia arctica, Adams.
Caroliniana, Mx.
Chamissonis, Esch. & Led.
Clematis alpina, L., var. Ochotensis, Gray.
Douglasii, Hook.
ligusticifolia, Nutt.
Scottii, Porter.
Cleome integrifolia, T. & G.
Collinsia parviflora, Dougl.
Collomia gracilis, Dougl.
linearis, Nutt.
longiflora, Gray.
Comandra pallida, DC.
Convolvulus lobatus, Eng. & G.
Corispermum hyssopifolium, L.
Cornus stolonifera, Mx.
Corydalis aurea, var. montana.
Corylus rostrata, Ait.
Crataegus Douglasii, Lindl?
(2 widely different forms.)
Cryptogramme acrostichoides.

Crepis acuminata, Nutt.
runcinata, T. & G.
Croton Texensis, Mull.
Cucurbita perennis, Gray.
Cuscuta decora, Chois. & Eng.
Gronovii, var. curta, Eng.
Cymopterus alpinus, Gray.
glomeratus, DC.
montanus, Nutt.
Cycloloma platyphyllum, Moq.
Cyperus inflexus, Muhl.
Schweinitzii, Torr.
Cystopteris fragilis, Bernh.
Dalea Jamesii, Torr.
Danthonia sericea, Nutt.
Delphinium azureum, Mx.
Menziesii, DC.
scopulorum, Gray.
Diplopappus ericoides, T. & G.
Dodecatheon Meadia, L.
Draba alpina, L.
aurea, Vahl.
crassifolia, Grah.
nemorosa, var. lutea, Gray.
" var.?
Caroliniana, Walt., v. micrantha, Nutt.
streptocarpa, Gray.
" var.?
Dracocephalum parviflorum.
Dryas octopetala, L.
Dysodia chrysanthemoides, Lag
Echinocystis lobata, T. & G.
Echinospermum deflexum, Leh.
Redowskii, Lehm.
leiocarpum, Watson.
Eleocharis acicularis, R. Br.
palustris, R. Br.
Ellisia Nyctelea, L.
Elymus arenarius, Nutt.
Canadensis, L.
Sitanion, Schult.
triticoides, Nutt.
Virginicus, L.
Elyna spicata, Schk.
Epilobium alpinum, L.
angustifolium, L.
latifolium, L.
origanifolium.
palustre, L.
coloratum, Muhl.
Equisetum pratense, Ehrh.
Eragrostis poaeoides, Bv., var. megastachya, Gray.
Purshii, Bernh.
Erigeron armeriaefolium, Turcz.
Bellidiastrum, Nutt.
Canadense, L.
canum, Gray.
compositum. Pursh.
divergens, T. & G.
flagellaris, Gray.
macranthum, Nutt.
concinnum, T. & G.
ursinum, Eaton.
unifiorum, L.
radicatum.
Eriocoma cuspidata, Nutt.
Eriogonum alatum, Torr.
annuum, Nutt.
corymbosum, Benth.
cernuum, Nutt.
flavum, Nutt.
Gordoni, Benth.
Jamesii, Benth.
" var.?
microthecum, Nutt., var.
Fendlerianum, Benth.
" var. effusum, T&G
paucifiorum, Pursh.
umbellatum, Torr.
Eriophorum polystachyon, L.

Eritrichium aretioides, Hook.
crassisepalum, Torr.
glomeratum, DC., var.
virgatum, Porter.
Jamesii, Torr.
villosum, DC., var.
Erysimum asperum, DC., var.
Arkansanum, Nutt.
var. pumilum, Watson.
cheiranthoides, L.
Eupatorium purpureum, L.
Euphorbia dictyosperma, Eng.
Fendleri, T. & G.
glyptosperma, Eng.
hexagona, Nutt.
marginata, Pursh.
montana, Eng.
petaloidea, Eng.
revoluta, Eng.
serpyllifolia, Pers.
stictospora, Eng.
Eurotia lanata, Moq.
Evernia vulpina, Wulf.
Evolvulus argenteus, Pursh.

Fallugia paradoxa, Torr.
Festuca tenella, Willd.
ovina, L., var. duriuscula.
Fragaria vesca, L.
Virginiana, Ehrh. (f. typ.)
Franseria Hookeriana, Nutt.
tenuifolia, Gray.
Froelichia Floridana, Moq.
Frasera speciosa, Dougl.
Gaillardia aristata, Pursh.
pinnatifida, Torr.
Galium boreale, L.
triflorum, Mx.
Gaura coccinea, Nutt.
parviflora, Dougl.
Gayophytum racemosum, T&G
ramosissimum, T. & G.
Gentiana affinis, Smith.
Amarella, L.
barbellata, Eng.
frigida, Haenke, var. algida, Pall.
humilis, Stev.
Parryi, Eng.
Geranium Fremontii, Torr.
Richardsonii, F. & M.
Geum Rossii, Seringe.
macrophyllum, Willd.
strictum, Ait.
triflorum, Pursh.
rivale, L.
Gilia aggregata, Spreng.
inconspicua, Dougl.
pinnatifida, Nutt.
pungens, Benth.
Glyceria airoides, Thurber.
maritima, Wahl.?
nervata, Trin.
Glycyrrhiza lepidota, Nutt.
Gnaphalium luteo-album, L.
strictum, Gray.
Graphephorum flexuosum, Th'r
Grindelia squarrosa, Dunal.
Gutierrezia Euthamiae, T. & G.
Habenaria hyperborea, Gray.
obtusata, Lindl.
Hedeoma Drummondii, Benth.
hispida, Pursh.
Helenium autumnale, L.
Helianthus lenticularis, Dougl.
Nuttallii, Gray.
petiolaris, Nutt.
pumilus, Nutt.
" ?
rigidus, Desf.
Heliotropium Curassavicum, L.
Heracleum lanatum, Mx.

Heuchera bracteata, Seringe.
Hallii, Gray.
parviflora, Nutt.
Hieracium triste, Willd.
Hierochloa borealis, R. & S.
Hippuris vulgaris, L.
Hordeum jubatum, L.
pratense, Hudson.
Humulus Lupulus, L.
Hydrophyllum Fendleri, Gray.
occidentale, Gray, var.
Hymenopappus tenuifolius, Ph.
Hypericum Scouleri, Hook.
Ipomoea leptophylla, Torr.
Iris tenax, Dougl.?
Iva axillaris, Pursh.
xanthiifolia, Gray.
Jamesia Americana, T. & G.
Juncus alpinus, Vill.
Balticus, Deth.
bufonius, L.
Drummondii, E. Meyer.
longistylis, Torr.
Mertensianus, Bong.
nodosus, L., v. megacephalus, Torr.
tenuis, Willd.
triglumis, L.
xiphioides, E. Meyer, var.
montanus, Eng.
Juniperus Virginana, L.
occidentalis, Hook.
Kalmia glauca, Ait.
Koeleria cristata, Pers.
Kuhnia eupatorioides, L., var.
gracilis, T. & G.
Lactuca Ludoviciana, DC.
Lathyrus linearis, Nutt.
ornatus, Nutt.
palustris, L.
polymorphus, Nutt.
Leersia oryzoides, Swz.
Lemna minor, L.
Lepachys columnaris, T. & G.
Lepidium intermedium, Gray.
" ?
montanum, Nutt.
Virginicum, L.
Lepturus paniculatus, Nutt.
Leucocrinum montanum, Nutt.
Liatris punctata, Hook.
Ligusticum apiifolium, H. & B.
scopulorum, Gray.
Lilium Philadelphicum, L.
Limosella aquatica, L.
Linaria Canadensis, Spreng.
Linnaea borealis, Gronov.
Linum perenne, L.
Listera cordata, R. Br.
Lithospermum angustifol., Mx.
multiflorum, Torr.
Lloydia serotina, Reich.
Lobelia syphilitica, L.
Lonicera involucrata, Banks.
Lophanthus anisatus, Benth.
Lowellia aurea, Torr.
Lupinus argenteus, Pursh, var. decumbens, Watson.
caespitosus, Nutt. fruit.
parviflorus, Nutt.
pusillus, Pursh.
Luzula spadicea, DC., var. parviflora, Ledeb.
spicata, Desv.
Lychnis apetala, L.
Drummondii, Watson.
Lycopus sinuatus, Ell.
Lygodesmia juncea, Don.
Lysimachia ciliata, L.
Lythrum alatum, Pursh.
Malvastrum coccineum, Gray.
Medicago sativa, L.

Machaeranthera canescens, Gr.
var. latifolia. Gray.
tanacetifolia, Nees.
Melampodium cinereum, DC.
Mentha Canadensis, L.
Mentzelia albicaulis, Dougl.
multiflora, Nutt.
nuda, T. & G.
Mertensia alpina, Don.
brevistyla, Watson.
lanceolata, Gray.
Sibirica, Don.
Mimulus floribundus, Dougl.
Jamesii, Torrey, var. Fremontii, Benth.
luteus, L.
Mitella pentandra, Hook.
Mollugo verticillata, L.
Monarda aristata, Nutt.
fistulosa, L.
Monardella odoratissima, B'th.
Monolepis chenopodioides, Moq
Montelia tamariscina, Gray.
Muhlenbergia gracilis, Gr., var. Fendleri.
gracillima, Torr.
glomerata, Trin. ? = "1986, C. Wright; collected in New Mexico by Wright and ticketed as above but I think must be a new species."-Vasey
sylvatica, T. & G.
Texana, Thurber.
Mulgedium pulchellum, Nutt.
Munroa squarrosa, Torr.
Musenium divaricatum, Nutt.
Myosurus minimus, L.
Nabalus racemosus, Hook.
Nasturtium obtusum, Nutt.
officinale, R. Br.
palustre, DC.
sinuatum, Nutt.
Negundo aceroides, Moench.
Neillia Torreyi, Watson.
Notholaena Fendleri, Kunze.
Obione argentea, Moq.
canescens, Moq.
confertifolia, Torr.
Œnothera albicaulis, Nutt.
biennis, L.
caespitosa, Nutt.
coronopifolia, T. & G.
pinnatifida, Nutt.
serrulata, Nutt.
Onosmodium Carolinianum, DC
Opuntia Missouriensis, DC.
Orthocarpus luteus, Nutt.
Oryzopsis asperifolia, Mx.
micrantha, Thurber.
Osmorrhiza nuda, Torr.
Oxalis stricta, L.
Oxybaphus angustifolius, Sweet
nyctagineus, Sweet,
var. Cervantesii, Gray.
Oxyria digyna, Campd.
Oxytropis campestris, L.
deflexa, DC.
Lamberti, Pursh.
multiceps, Nutt.
splendens, Dougl.
Pachystima Myrsinites, Raf.
Panicum capillare, L.
Crus-galli, L.
dichotomum, L.
pauciflorum, Ell.
virgatum, L.
Parietaria Pennsylvanica, Muhl
Parnassia parviflora, DC.
Paronychia Jamesii, T. & G.
pulvinata, Gray.
sessiliflora, Nutt.
Pectis angustifolia, Torr.
Pedicularis bracteosa, Benth.
Canadensis, L.
crenulata, Benth.
Groenlandica, Retz.
Parryi, Gray.
procera, Gray.
racemosa, Dougl.
scopulorum, Gray.
Pellaea atropurpurea, Link.
Peltigera aphthosa, Hoffm.
Pentstemon acuminatus, Dougl.
albidus, Nutt.
caeruleus, Nutt.
Fremontii, Gray.
glaber, Pursh.
glaucus, Grah.
Hallii, Gray.
humilis, Nutt.
secundiflorus, Benth.
Pericome caudata, Gray.
Petalostemon violaceus, Mx.
macrostachys, Torr.
Peucedanum nudicaule, Nutt.
Phacelia circinata, Jacq.
glandulosa, Gray.
Popei, T. & G.
sericea, Gray.
Phalaris Canariensis, L.
Phleum alpinum, L.
pratense, L.
Phlox caespitosa, Nutt., var. condensata, Gray.
longifolia, Nutt.
Physalis lobata, Torr.
Pennsylvanica, L.
viscosa, L.
Physaria didymocarpa, Gray.
Picea pungens, Eng.
Pinus aristata, Eng.
contorta, Eng.
flexilis, James.
ponderosa, Dougl.
Placodium elegans, (Link) Nyl.
Plantago eriopoda, Torr.
Patagonica, Jacq., var. gnaphaloides, Gray.
var. aristata, Gray.
Pleuraphis Jamesii, Torr.
Pleurogyne rotata, Griseb.
Poa Andina, Nutt.
" ?
abbreviata.
alpina, L.
" ?
arctica, R. Br.?
arctica or laxa, Haenke.
caesia, Smith.
" ?
" var. strictior, Gray.
flexuosa, Muhl., var.?
" var. occidentalis, G.
laxa, Haenke.
pratensis, L.
" ?
" var.
serotina, Ehrh.
tenuifolia, Nutt.
" ?
Polanisia uniglandulosa, DC.
Polemonium caeruleum, L., var. foliosissimum, Gray.
confertum, Gray.
var. mellitum, Gray.
viscosum, Nutt.
Polygonum amphibium, L., var. terrestre, Willd.
acre, L.
aviculare, L.
Bistorta, L., var. oblongifolium, Meisn.
Convolvulus, L.
dumetorum, L.
Polygonum incarnatum, Ell.
ramosissimum, Mx.
tenue, Mx.
" var. viviparum, L.
Polypodium vulgare, L. (A very reduced form, alt. 8,800 ft.)
Populus balsamifera, L., var. angustifolia, Watson.
var. candicans, Gray.
tremuloides, Mx.
Portulaca oleracea, L.
Potamogeton natans, L.
Vaseyi, Robbins.
—— ?
—— ?
Potentilla Anserina, L.
fruticosa, L.
glandulosa, Lindl.
gracilis, Dougl.
Hippiana, Lehm.
humifusa, Nutt.
nivea, L.
Norvegica, L.
Pennsylvanica, L., var. strigosa, Pursh.
Plattensis, Nutt.
paradoxa, Nutt.
Primula angustifolia, Torr.
Parryi, Gray.
Prunus Americana, Marshall.
Chicasa, Mx.
Pennsylvanica, L.
Virginiana, L.
Pseudotsuga Douglasii, Corr.
Psoralea argophylla, Nutt.
floribunda, Nutt.
lanceolata, Pursh.
Pteris aquilina, L.
Pyrola rotundifolia, L.
secunda, L.
Pyrus sambucifolia, Ch. & Sch.
Quercus alba, L., var. Gunnisoni, Torr.
Ranunculus adoneus, Gray.
affinis, R. Br., var. cardiophyllus, Gray.
var. leiocarpus, Traut.
aquatilis, L., var. stagnatilis, DC.
Flammula, L., var. reptans.
hyperboreus, Rottb., var. natans, C. A. Mey.
Nuttallii, Gray.
repens, L.
sceleratus, L.
Rhus aromatica, Ait., var. trilobata, Gray.
glabra, L.
Toxicodendron, L.
Ribes aureum, Pursh.
cereum, Dougl.
hirtellum, Mx.
lacustre, Poir.
leptanthum, Gray.
prostratum, L'Her.
Rosa blanda, Ait.
Rubus deliciosus, Torr.
strigosus, Mx.
Rudbeckia hirta, L.
laciniata, L.
Rumex Acetosella, L.
longifolius, DC.
salicifolius, Weinm.
venosus, Pursh.
Sagittaria variabilis, Eng.
Salix arctica, Pall., var. petraea, Anders.
chlorophylla, And.
cordata, Muhl.
desertorum, And.
longifolia, Muhl., var. argophylla, Nutt.

Salix irrorata, And.
nigra, Marsh., var. amygdaloides, And.
Novae-Angliae, And., var. pseudo-cordata, And.
reticulata, L.
rostrata, Richards.
Salvia lanceolata, Willd.
Sambucus racemosa, L., var. pubens, Watson.
Sanicula Marilandica, L.
Saponaria Vaccaria, L.
Saxifraga bronchialis, L.
caespitosa, L.
cernua, L.
debilis, Eng.
flagellaris, Willd.
nivalis, L.
punctata, L.
rivularis, L.
serpyllifolia, Pursh.
tricuspidata, Gray.
Scirpus pauciflorus, Lightf.
pungens, Vahl.
validus, Vahl.
Scrophularia nodosa, L.
Scutellaria resinosa, Torr.
Sedum rhodanthum, Gray.
Rhodiola, DC.
stenopetalum, Pursh.
Selaginella rupestris, Spring.
Senecio amplectens, Gray.
Andinus, Nutt.
aureus, L., var. croceus, G.
var. Balsamitae, T&G.
var. obovatus, T. & G.
canus, Hook.
cernuus, Gray.
eremophilus, Richards.
filifolius, Nutt.
Fremontii, T. & G.
longilobus, Benth.
lugens, Richards, var. exaltatus, Eaton.
var. Hookeri, Eaton.
triangularis, Hook.
rapifolius, Gray.
Seseli Hallii, Gray.
Setaria Italica, Kunth.
viridis, Beauv.
glauca, Beauv.
caudata.
Sibbaldia procumbens, L.
Sidalcea malvaeflora, Gray.
Silene acaulis, L.
Sisymbrium canescens, Nutt.
incisum, Eng.
" var.
Sisyrinchium mucronatum, Mx
Smelowskia calycina. Meyer.
Smilacina racemosa, Desf., var. amplexicaulis, Watson.
stellata, Desf.

Solanum nigrum, L.
rostratum, Dun.
triflorum, Nutt.
Solidago Guiradonis, Gray, var. spectabilis, Eaton.
lanceolata, L.
Missouriensis, Nutt.
nemoralis, Ait.
var. mollis, Bartl. (?)
var.? (peculiar form.)
rigida, L.
speciosa, Nutt., var. angustata, Gr.? (Gray.)
Virga-aurea, L. (typ. f'm)
var. multiradiata, T&G
var. alpina, Big.
gigantea, Ait.? (Gray.)
Sophora sericea, Pursh.
Sorghum avenaceum, Chap.?
~~nutans, Gray.~~
Sparganium curycarpum, Eng.
Spartina cynosuroides, Willd.
Sporobolus airoides, Torr.
cryptandrus, Gray.
ramulosus, H. B. K.
Specularia perfoliata, A. DC.
Spiraea dumosa, Nutt.
Spiranthes Romanzoffiana, Ch.
Stachys cordata, Riddell.
Stanleya pinnatifida, Nutt.
Stellaria borealis, Bigel.
Jamesiana, Torr.
longipes, Goldie.
longifolia, Muhl.
umbellata, Turcz.
Stipa ~~spartea, Trin.~~ comata
viridula, Trin.
viridula, Trin.?
Streptopus amplexifolius, DC.
Suckleya petiolaris, Gray: very rare.
Swertia perennis, L.
Symphoricarpus Oreophilus, G.
occidentalis, R. Br.
Synthyris alpina, Gray.
plantaginea, Benth.

Talinum teretifolium, Pursh.
Taraxacum palustre, DC.
Teloxys cornuta, Torr.
Thalictrum alpinum, L.
Fendleri, Gray.
purpurascens, L.
sparsiflorum, Turcz.
Thaspium trachypleurum, Gray ~~(2 very different forms.)~~
Thelesperma filifolium, Gray.
gracile, Gray.
Thermopsis fabacea, DC., var. montana, Gray.
Thlaspi alpestre, L.
Townsendia grandiflora, Nutt.
sericea, Hook.
Tradescantia Virginica, L.
Tragia stylaria, Torr.
Tricuspis acuminata, Munroe.
monstrosa.
trinerviglumis.
Triticum ægilipoides. Trin.
Trifolium dasycarpum, T. & G.
nanum, Torr.
Parryi, Gray.
Triglochin palustre, L.
Trisetum alpestre.?
spicatum.
subspicatum, Beauv.
var. molle, Gray.
Triticum repens, L.
var. acutum, Vasey.
var. compactum, Vasey
caninum, L.
violaceum, Hornemann.
Trollius laxus, Salisb.
Troximon aurantiacum, Gray.
cuspidatum, Pursh.
glaucum, Nutt.
glaucum, Nutt.?

Urtica gracilis, Ait.
Usnea barbata, Fries.
Ustilago urceolarum, Tul.
Vaccinium caespitosum, Mx.
Myrtillus, L.
Valeriana edulis, Nutt.
sylvatica, Richards.
Vaseya comata, Thurber.
Verbena Aubletia, L.
bracteosa, Mx.
hastata, L.
Veronica alpina, L.
Americana, Schw.
peregrina, L.
Vesicaria Ludoviciana, DC.
montana, Gray.
Viburnum pauciflorum, Pylaie.
Vicia Americana, Muhl.
Vilfa cuspidata, Torr.
longifolia.
tricholepis, Torr.
Villanova chrysanthemoides, G.
Viola biflora, L.
Canadensis, L.
canina, L.
cucullata, Ait.
delphinifolia, Nutt.
Nuttallii, Pursh.
palustris, L.
Vitis riparia, Mx.
Woodsia Oregana, Eaton.
scopulina, Eaton.
Xanthium strumarium, L.
var. echinatum, Gray.
Ximenesia encelioides, Cav.
Yucca angustifolia, Pursh.
Zinnia grandiflora, Nutt.
Zygadenus glaucus, Nutt.
Nuttallii, Gray.

H. N. PATTERSON, PRINTER, OQUAWKA, ILL.

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COLORADO FLORA.

The accompanying list includes (with the appendix) all the species and varieties collected by me in Colorado during the season of 1878. Most of the sets of 800 species were subscribed for before they were collected; six remain to be sold at the regular price of $50.00, *delivered*. The specimens are carefully pressed and so well preserved that the colors of the flowers are preserved in almost every case. The whole collection has been carefully reviewed by Drs. Gray, Parry, Engelmann; by M. S. Bebb, Geo. Vasey, Willey, Peck, &c., and thus no pains have been spared to make the names correct. There will be found to be over 75 additions to Porter's "Flora," and species not in his "Flora" are therefore called "new to Colorado" as his work is the only one of consequence on the plants of Colorado. A few of these have been found by others, and a few are included in recent Government publications. There are seven *new* species and varieties in this collection, two of them named by Dr. Engelmann and five by Dr. Gray and Sereno Watson.

☞A number of specimens will remain after the sets are put up; persons can select from these such as they desire, at 10 cts. per specimen. Printed labels will accompany each species, stating the day and place of collection. Persons desiring specimens or sets should write at once.

MARCUS E. JONES, A. M.,
Grinnell, Iowa.

ADDENDA.

NEW SPECIES & VARIETIES.

The follow'g species are thought to be new by Dr. Gray, but are not yet named by him:

Bigelovia ——
Bigelovia ——
Draba streptocarpa, var. ——
Erigeron ——
Pentstemon ——
Townsendia ——

Two Potamogetons which Dr. Robbins' sudden death prevented from being named are still unnamed.

By adding the two new vars., this list will contain all new to science:

Juniperus communis, L., var. humilis, Eng.
Hemicarpha subsquarrosa, var. squarrosa, Eng.

Carex alpina, L.
atrata, L., var. nigra. Bt.
aurea, Nutt.
Backii, Boott.
Bonplandii, Kunth.
bromoides, Schk.
canescens, L.
capillaris, L.
disticha, Huds.
festiva, Dewey.
filifolia, Nutt.
Hookeriana, Dewey.
Jamesii, Torr., var.
lanuginosa, Mx.
limula, Fries.
(Not of Gray's Manual.)
nigricans, E. Meyer.
Pennsylvanica, Lam.
rigida, Good.
Rossii, Boott.
saxatilis, L. (pulla, Good.)
siccata, Dewey?
stenophylla, Wahl.
straminea, Schk., var. tenera, Carey.
tenella, Schk.
trichocarpa, Muhl., v. imberbis, Carey.
utriculata, Boott.

GRASSES.

These grasses, together with those in the body of the list, have all been verified by Dr. Vasey, of Washington. In a private letter to me now before me he says: 'Your list of grasses is a very interesting and full one, including some that I have never seen before from Colorado.' Some of these he thinks may be new species — mostly among the doubtful ones in the list.

Agrostis vulgaris, With.
Aira caespitosa, L.
danthonioides, Trin.
Alopecurus alpinus, Smith.
Andropogon glaucus.
Atropis Californica, Munro.
Bromus Kalmii, Gray, var. occidentalis.
Brizopyrum spicatum, Hook.
Calamagrostis longifolia, Torr.
sylvatica, DC.
Dactylis glomerata, L.
Eatonia obtusata, Gray.
Elymus Virginicus, L., var.
Festuca brevifolia, Brown.
ovina, L.
Thurberi.

(The remainder of the grasses will be found in the body of the list.)

CORRECTIONS.

The following vars. were accidentally indented so as to appear like species:

Aristida purpurea, Nutt., var. Fendleri.
Astragalus oroboides, Hornem., var. Americanus, Gr.
A. pictus, Gr. var. filifolius, Gr.
Eriogonum microthecum, var. Fendlerianum, Benth.
Juncus xiphioides, E. Mey., v. montanus, Eng.

Var. aretioides, Hook., belongs under Eritrichium villosum.

MISSOURI BOTANICAL GARDEN

TO BOTANISTS.

The call for my lists of 1878 has been so great that I have run short; and so have issued this reprint, which contains all corrections up to date. The genera are in the natural order, the species are not.

May 1, 1881.

MARCUS E. JONES, A. M.,
Salt Lake City, Utah.

FLORA OF COLORADO. 1878 and 1879.

COLLECTED BY MARCUS E. JONES, A. M.

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Clematis alpina, Mill., var. Ochotensis, Gray.
Douglasii, Hook.
ligusticifolia, Nutt.
Scottii, Porter.
Anemone cylindrica, Gray.
dichotoma, L.
multifida, Poir.
patens, L., var. Nuttalliana, Gray.
Thalictrum alpinum, L.
Fendleri, Engelm.
purpurascens, L.
sparsiflorum, Turcz.
Myosurus minimus, L.
Ranunculus adoneus, Gray.
affinis, R. Br., var. cardiophyllus, Gray.
var. leiocarpus, Traut.
aquatilis, L., var. stagnatilis, DC.
var. trichophyllus, Gray.
Cymbalaria, Pursh.
Flammula, L., var. reptans, Mey.
hyperboreus, Rottb., var. natans, [Regel.
Nuttallii, Gray.
repens, L.
sceleratus, L.
Caltha leptosepala, DC.
Trollius laxus, Salisb.
Aquilegia brevistyla, Hook.
cærulea, James.
chrysantha, Gray.
Delphinium azureum, Mx., var.
bicolor, Nutt.
occidentale, Watson.
scopulorum, Gray.
Aconitum Columbianum, Nutt.
Actæa spicata, L., var. arguta, Torr.
Berberis repens, Lindl.
Argemone hispida, Gray.
Corydalis aurea, Willd., var. occidentalis, Gray.
Draba alpina, L.
androsacea, Wahl.
aurea, Vahl.
Caroliniana, Walt., var. micrantha, Gray.
crassifolia, Grah.
cuneifolia, Nutt.
nemorosa, L., var.?
stenoloba, Ledeb.
streptocarpa, Gray.
var., new.
Cardamine cordifolia, Gray.
Arabis Drummondii, Gray.
hirsuta, Scop.
perfoliata, Lam.
Stanleya pinnatifida, Nutt.
Erysimum asperum, DC., var. Arkansanum, Gray.
pumilum, Nutt.
cheiranthoides, L.
Sisymbrium canescens, Nutt.
incisum, Engelm.
" var.
Smelowskia calycina, Meyer.
Nasturtium obtusum, Nutt.
officinale, R. Br.
palustre, DC.
sinuatum, Nutt.
Vesicaria Ludoviciana, DC.
montana, Gray.
Camelina sativa, Crantz.
Capsella Bursa-pastoris, Mœnch.
Thlaspi alpestre, L.
Lepidium intermedium, Gray.
" ?
montanum, Nutt.
Virginicum, L.
Physaria didymocarpa, Gray.
Polanisia trachysperma, T. & G.
Cleome integrifolia, T. & G.
Helianthemum ——
Viola biflora, L.
Canadensis, L.
canina, L.
cucullata, Ait.
delphinifolia, Nutt.
Nuttallii, Pursh.
palustris, L.

Silene acaulis, L.
antirrhina, L.
Menziesii, Hook.
Scouleri, Hook.
Lychnis apetala, L.
Drummondii, Watson, var.
Saponaria Vaccaria, L.
Cerastium arvense, L.
alpinum, L., var. Behringianum, [Regel.
nutans, Raf., var. brachypodum, Engelm.
Stellaria borealis, Bigel.
crassifolia, Ehrh.
crispa, Cham. & Schl.?
Jamesii, Torr.
longipes, Goldie.
longifolia, Muhl.
umbellata, Turcz.
Arenaria biflora, var. obtusa, Watson.
congesta, Nutt., var. subcongesta, Watson.
Fendleri, Gray.
var. diffusa, Porter.
lateriflora, L.
verna, L., var. hirta, Watson.
Portulaca oleracea, L.
Talinum teretifolium, Pursh.
Calandrinia pygmæa, Gray.
Claytonia Caroliniana, Mx.
Chamissonis, Esch.
megarrhiza, Parry.
Hypericum Scouleri, Hook.
Sidalcea malvæflora, Gray.
Malvastrum coccineum, Gray.
Sphæralcea angustifolia, Spach.
Linum perenne, L.
Geranium Fremonti, Torr.
Richardsoni, F. & M.
Oxalis corniculata, L., v. stricta, Sav.
Pachystima Myrsinites, Raf.
Ceanothus Fendleri, Gray.
ovatus, Bigel.
velutinus, Dougl.
Vitis riparia, Mx.
Ampelopsis quinquefolia, Mx.
Acer glabrum, Torr.
Negundo aceroides, Moench.
Rhus aromatica, Ait., var. trilobata, Gray.
glabra, L.
Toxicodendron, L.
Thermopsis montana, Nutt.
Sophora sericea, Pursh.
Lupinus argenteus, Pursh.
var. argophyllus, Watson.
cæspitosus, Nutt. Fruit.
parviflorus, Nutt.
pusillus, Pursh.
Trifolium dasyphyllum, T. & G.
nanum, Torr.
Parryi, Gray.
pratense, L.
repens, L.
Medicago sativa, L.
Psoralea argophylla, Pursh.
hypogæa, Nutt.
lanceolata, Pursh.
tenuiflora, Pursh.
Amorpha fruticosa, L.
Dalea Jamesii, T. & G.
Petalostemon candidus, Mx.
macrostachys, Torr.
violaceus, Mx.
Glycyrrhiza lepidota, Pursh.
Astragalus aboriginum, Rich.
adsurgens, Pall.
alpinus, L.
bisulcatus, Gray.
campestris, Gray.
Canadensis, L.
caryocarpus, Ker.
decumbens, Gray.
Drummondii, Dougl.
flexuosus, Dougl.
hypoglottis, L.
junceus, Gray.
Kentrophyta, Gray.
lotiflorus, Hook.

Astragalus microlobus, Gray.
Missouriensis, Nutt.
multiflorus, Gray.
oroboides, Hornem., var. Americanus, Gray.
Parryi, Gray.
pictus, var. filifolius, Gray.
racemosus, Pursh.
Shortianus, Nutt.
sparsiflorus, Gray.
triflorus, Gray.
Oxytropis campestris, DC.
deflexa, DC.
Lamberti, Pursh.
multiceps, Nutt.
splendens, Dougl.
Vicia Americana, Muhl.
var. linearis, Watson.
Lathyrus ornatus, Nutt.
paluster, L.
polymorphus, Nutt.
Prunus Americana, Marshall.
Chicasa, Mx.
Pennsylvanica, L. f.
Virginiana, L.
Spiræa discolor, Pursh.
var. dumosa, Watson.
Neillia opulifolia, Benth. & Hook.
Torreyi, Watson.
Rubus deliciosus, James.
strigosus, Mx.
Cercocarpus parvifolius, Nutt.
Dryas octopetala, L.
Fallugia paradoxa, Endl.
Geum Rossii, Seringe.
var. molle, T. & G.
macrophyllum, Willd.
strictum, Ait.
triflorum, Pursh.
rivale, L.
Fragaria vesca, L.
Virginiana, Duchesne. (f. typ.)
Potentilla Anserina, L.
arguta, Pursh.
fruticosa, L.
glandulosa, Lindl.
gracilis, Dougl.
Hippiana, Lehm.
var. pulcherrima, Watson.
humifusa, Nutt.
nivea, L.
Norvegica, L.
Pennsylvanica, L., var. strigosa, [Pursh.
var.
Plattensis, Nutt.
supina, L.
Sibbaldia procumbens, L.
Agrimonia Eupatoria, L.
Rosa blanda, Ait.
Pirus sambucifolia, Ch. & Sch.
Cratægus rivularis, Nutt.
Douglasii, Lindl.
Amelanchier alnifolia, Nutt.
Saxifraga bronchialis, L.
cæspitosa, L.
cernua, L.
chrysantha, Gray.
debilis, Eng.
flagellaris, Willd.
Jamesii, Torr.
nivalis, L.
punctata, L.
rivularis, L.
tricuspidata, Retz.
Mitella pentandra, Hook.
Heuchera bracteata, Seringe.
Hallii, Gray.
parvifolia, Nutt.
Parnassia parviflora, DC.
Jamesia Americana, T. & G.
Ribes aureum, Pursh.
cereum, Dougl.
lacustre, Poir.
leptanthum, Gray.
oxyacanthoides, L.
prostratum, L'Her.
Sedum rhodanthum, Gray.
Rhodiola, DC.

Sedum stenopetalum, Pursh.
Ammannia latifolia, L.
Lythrum alatum, Pursh.
Hippuris vulgaris, L.
Epilobium alpinum, L.
angustifolium, L.
coloratum, Muhl.
latifolium, L.
origanifolium, Lam.
palustre, L.
Gayophytum racemosum, T. & G.
ramosissimum, T. & G.
Œnothera albicaulis, Nutt.
biennis, L.
breviflora, T. & G.
cæspitosa, Nutt.
" (Caulescent form.)
coronopifolia, T. & G.
pinnatifida, Nutt.
serrulata, Nutt.
Gaura coccinea, Nutt.
parviflora, Dougl.
Circæa Pacifica, Asch. & Mag.
Mentzelia albicaulis, Dougl.
multiflora, Gray.
nuda, T. & G.
Cucurbita perennis, Gray.
Echinocystis lobata, T. & G.
Cereus viridiflorus, Engelm.
Opuntia Missouriensis, DC.
Mollugo verticillata, L.
Sanicula Marylandica, L.
Carum Gairdneri, B. & H.
Berula angustifolia, Koch.
Cicuta maculata, L.
(?) trachypleura, Watson.
Osmorrhiza nuda, Torr.
Ligusticum apiifolium, B. & H.
montanum, Gray.
scopulorum, Gray.
Archangelica atropurpurea, Hoffm.
Gmelini, DC.
Cymopterus alpinus, Gray.
glomeratus, Raf.
montanus, T. & G.
(?) anisatus, Gray.
Musenium divaricatum, Nutt.
Archemora Fendleri, Gray.
Peucedanum nudicaule, Nutt.
Heracleum lanatum, Mx.
Aralia nudicaulis, L.
Cornus stolonifera, Mx.
Adoxa Moschatellina, L.
Sambucus racemosa, L.
Viburnum pauciflorum, Pylaie.
Linnæa borealis, Gronov.
Symphoricarpus oreophilus, Gray.
occidentalis, R. Br.
Lonicera involucrata, Banks.
Galium boreale, L.
triflorum, Mx.
Valeriana edulis, Nutt.
sylvatica, Richards.
Liatris punctata, Hook.
scariosa, Willd.? (Probably dis-
Eupatorium purpureum, L. [tinct.)
Kuhnia eupatorioides, L.
var. gracilis, T. & G.
Brickellia Wrightii, Gray.
grandiflora, Nutt.
Gutierrezia Euthamiæ, T. & G.
Grindelia squarrosa, Dunal.
Chrysopsis villosa, Nutt., 3 vars.
Nardosmia sagittata, Hook.
Aplopappus Fremontii, Gray.
inuloides, T. & G.
Parryi, Gray.
pygmæus, Gray.
spinulosus, DC.
Bigelovia Bigelovii, Gray.
Douglasii, Gray.
var. latifolia, Gray.
var. tortifolia, Gray.
graveolens, Gray, and vars.
Greenei, Gray.
Howardii, Gray.
Parryi, Gray.
new.
Solidago lanceolata, L.
Missouriensis, Nutt.
Canadensis, L.
nemoralis, Ait.
var. mollis, Bartl. (?)
var.? (peculiar form.)
speciosa, Nutt., var. angustata,
Gray? (Gray.)
humilis, Pursh.
Virga-aurea, L. (typical form.)
var. multiradiata, T. & G.
var. alpina, Big.

Solidago rigida, L.
gigantea, Ait.? (Gray.)
Townsendia grandiflora, Nutt.
sericea, Hook.
strigosa, Nutt.
Aster adscendens, Lindl.
var. ciliatifolius, T. & G.
var. Fremontii, T. & G.
var. Parryi, Eaton.
canescens, Pursh.
var. latifolia, Gray.
Coloradoensis, Gray.
ericæfolius, Rothr.
ericoides, L., var. strictus, Porter.
Fendleri, Gray.
glacialis, Nutt.
glaucus, T. & G.
lævis, L.
multiflorus, Ait.
var. commutatus, Gray.
Novæ-Angliæ, L.
Nuttallii, T. & G.
ptarmicoides, T. & G.
salsuginosus, Rich.
tanacetifolius, HBK.
Erigeron annuus, Pers.
armeriæfolius, Turcz.
Bellidiastrum, Nutt.
Canadensis, L.
canus, Gray.
compositus, Pursh.
concinnus, T. & G.
divergens, T. & G.
flagellaris, Gray.
glandulosus, Porter.
macranthus, Nutt.
ursinus, Eaton.
uniflorus, L.
new species.
Antennaria alpina, Gærtn.
Carpathica, R. Br., var. pulcherrima, Hook.
dioica, Gærtn.
Gnaphalium Sprengelii, H. & A.
strictum, Gray.
Pericome caudata, Gray.
Melampodium cinereum, DC.
Iva axillaris, Pursh.
xanthiifolia, Gray.
Ambrosia psilostachya, DC.
trifida, L.
Franseria Hookeriana, Nutt.
tenuifolia, Gray.
Xanthium strumarium, L.
var. echinatum, Gray.
Rudbeckia hirta, L.
laciniata, L.
Verbesina encelioides, Benth. & Hk.
Zinnia grandiflora, Nutt.
Lepachys columnaris, T. & G.
var. Tagetes, Gray.
Heliopsis lævis, Pers.
Thelesperma filifolium, Gray.
gracile, Gray.
Heliomeris multiflora, Nutt.
Helianthus annuus, L.
Nuttallii, Gray.
petiolaris, Nutt.
pumilus, Nutt.
" ?
rigidus, Desf.
Bidens chrysanthemoides, Mx.
frondosa, L.
bipinnata, L.
Bahia oppositifolia, T. & G.
Villanova chrysanthemoides, Gray.
Chænactis Douglasii, Hook. & Arn.
Hymenopappus tenuifolius, Pursh.
Gaillardia aristata, Pursh.
pinnatifida, Torr.
Helenium autumnale, L.
Actinella acaulis, Nutt.
grandiflora, T. & G.
Richardsonii, Nutt.
scaposa, Nutt.
Dysodia chrysanthemoides, Lag.
Pectis angustifolia, Torr.
Lowellia aurea, Torr.
Achillea Millefolium, L.
Artemisia biennis, L.
Canadensis, Mx.
dracunculoides, Pursh.
filifolia, Torr.
frigida, Willd.
glomerata, Gray.
Ludoviciana, Nutt., typical form
and 3 varieties.
Norvegica, Fries.
scopulorum, Gray.
tridentata, Pursh.

Senecio amplectens, Gray.
var., new
Andinus, Nutt.
aureus, L., var. croceus, Gray.
var. Balsamitæ, T. & G.
var. obovatus, T. & G.
canus, Hook.
cernuus, Gray.
cremophilus, Richards.
filifolius, Nutt., var. Jamesii.
integerrimus, Hook.? [T. & G.
Fremontii, T. & G.
longilobus, Benth.
lugens, Rich., var. Hookeri, Eat.
var. foliosus, Gray.
rapifolius, Gray.
triangularis, Hook.
Arnica alpina, Murr., Læstad.
cordifolia, Hook.
latifolia, Bong.
mollis, Hook.
Cnicus Drummondii, var. acaulescens,
eriocephalus, Gray. [Gray.
Parryi, Gray.
undulatus, Gray.
var. ochrocentrus, Gray.
Crepis acuminata, Nutt.
runcinata, T. & G.
Troximon aurantiacum, Hook.
cuspidatum, Pursh.
glaucum, Nutt.
" ?
Taraxacum palustre, DC.
Hieracium triste, Willd.
Lygodesmia juncea, Don.
Lactuca Ludoviciana, DC.
pulchella, DC.
Nabalus racemosus, Hook.
Sonchus asper, Villars.
Lobelia syphilitica, L.
Specularia perfoliata, A. DC.
Campanula uniflora, L.
rotundifolia, L.
Scheuchzeri, Vill.
Vaccinium cæspitosum, Mx.
Myrtillus, L.
Arctostaphylos Uva-ursi, Spreng.
Pyrola rotundifolia, L.
secunda, L.
Dodecatheon Meadia, L.
Primula angustifolia, Torr.
Parryi, Gray.
Androsace septentrionalis, L.
Steironema ciliatum, Raf.
Apocynum androsæmifolium, L.
cannabinum, L.
Asclepias Hallii, Gray.
incarnata, L.
Jamesii, Torr.
ovalifolia, Decne.
speciosa, Torr.
tuberosa, L.
verticillata, L., var. pumila, Gray.
Acerates auriculata, Engelm.
Gentiana affinis, Griseb.
Amarella, L., var. acuta, Hook. f.
barbellata, Engelm.
frigida, Hænke, var. algida, Pall.
humilis, Stev.
Parryi, Engelm.
Pleurogyne rotata, Griseb.
Swertia perennis, L.
Frasera speciosa, Dougl.
Phlox cæspitosa, Nutt., var. condensata, Gray.
longifolia, Nutt.
Collomia aggregata, Porter.
gracilis, Dougl.
linearis, Nutt.
longiflora, Gray.
Gilia congesta, Hook., var. crebrifolia, Gray.
inconspicua, Dougl.
pinnatifida, Nutt.
pungens, Benth.
Polemonium cæruleum, L.
confertum, Gray.
var. mellitum, Gray.
foliosissimum, Gray.
humile, Willd., v. pulchellum, Gr.
Hydrophyllum occidentale, var. Fendleri, Gray.
Ellisia Nyctelea, L.
Phacelia circinata, Jacq. f.
glandulosa, Nutt.
sericea, Gray.
Heliotropium Curassavicum, L.
Onosmodium molle, Mx.
Lithospermum angustifolium, Mx.
multiflorum, Torr.

Echinospermum floribundum, Lehm.
Redowskii, Lehm., var. occidentale, Watson.
Eritrichium nanum, Schrad., var. aretioides, Herder.
Californicum, DC., var. subglochidiatum, Gray.
crassisepalum, T. & G.
glomeratum, DC.
var. virgatum, Porter.
Jamesii, Torr.
leiocarpum, Watson.
Mertensia alpina, Don.
lanceolata, DC.
Sibirica, Don.
Ipomœa leptophylla, Torr.
Convolvulus sepium, L.
incanus, Vahl.
Evolvulus argenteus, Pursh.
Cuscuta decora, Choisy.
curta, Engelm.
Solanum nigrum, L.
rostratum, Dunal.
triflorum, Nutt.
Physalis lobata, Torr.
lanceolata, Mx.
pubescens, L.
Linaria Canadensis, Dumont.
Collinsia parviflora, Dougl.
Scrophularia Californica, Cham.
Pentstemon acuminatus, Dougl.
albidus, Nutt.
cæruleus, Nutt.
glaber, Pursh.
var. cyananthus, Gray.
glaucus, Grah.
Hallii, Gray.
humilis, Nutt.
secundiflorus, Benth.
—— new.
gracilis, Nutt.
Chionophila Jamesii, Benth.
Mimulus floribundus, Dougl.
Jamesii, T. & G., var. Fremontii. Benth.
luteus. L.
Gratiola Virginiana, L.
Limosella aquatica, L.
Synthyris alpina, Gray.
plantaginea, Benth.
Veronica alpina, L.
Americana, Schw.
peregrina, L.
Gerardia tenuifolia, Vahl., var. macrophylla, Benth.
Castilleia breviflora, Gray.
integra, Gray.
linariæfolia, Benth.
pallida, Kunth., and 2 varieties.
sessiliflora, Pursh.
Orthocarpus luteus, Nutt.
Pedicularis bracteosa, Benth.
Canadensis, L.
crenulata, Benth.
Grœnlandica, Retz.
Parryi, Gray.
procera, Gray.
racemosa, Dougl.
scopulorum, Gray.
Aphyllon fasciculatum, Gray.
Verbena Aubletia, L.
bracteosa, Mx.
hastata, L.
Lippia cuneifolia, Steud.
Mentha Canadensis, L.
Lycopus sinuatus, Ell.
Hedeoma Drummondi, Benth.
hispida, Pursh.
Salvia lanceolata, Willd.
Monarda fistulosa, L.
Lophanthus anisatus, Benth.
Dracocephalum parviflorum, Nutt.
Scutellaria resinosa, Torr.
Brunella vulgaris, L.
Stachys cordata, Riddell.
Plantago eriopoda, Torr.
Patagonica, Jacq., var. gnaphalioides, Gray.
var. aristata, Gray.
Mirabilis oxybaphoides, Gray.
Oxybaphus hirsutus, Sweet.
nyctagineus, Sweet.
var. Cervantesii, Gray.
angustifolius, Sweet.
Abronia fragrans, Nutt.
micrantha, Torr.
Paronychia Jamesii, T. & G.
pulvinata, Gray.
sessiliflora, Nutt.
Oxyria digyna, Campd.

Rumex Acetosella, L.
occidentalis, Watson.
crispus, L.
salicifolius, Weinm.
venosus, Pursh.
Polygonum Muhlenbergii, Watson.
amphibium, L., var. aquaticum, [Willd.
erectum, L.
lapathifolium, Ait., var. incanum, Koch.
acre, HBK.
aviculare, L.
Bistorta, L., var. linearifolium, Watson.
var. oblongifolium, Meisn.
Pennsylvanicum, L.
Convolvulus, L.
dumetorum, L.
incarnatum, Ell.
ramosissimum, Mx.
tenue, Mx.
viviparum, L.
Eriogonum alatum, Torr.
annuum, Nutt.
corymbosum, Benth.
cernuum, Nutt.
flavum, Nutt.
Jamesii, Benth.
" var.?
microthecum, Nutt., var. Fendlerianum, Benth.
var. effusum, T. & G.
pauciflorum, Pursh.
umbellatum, Torr.
Amarantus albus, L.
blitoides, Watson.
retroflexus, L.
Montelia tamariscina, Gray.
Alternanthera (?) lanuginosa, Torr.
Froelichia Floridana, Moq.
Sarcobatus vermiculatus, Torr.
Suæda intermedia, Watson.
depressa, var. erecta, Watson.
Teloxys cornuta, Torr.
Cycloloma platyphyllum, Moq.
Chenopodium album, L.
Botrys, L.
Fremontii, Watson.
hybridum, L.
leptophyllum, Nutt.
Blitum capitatum, L.
Monolepis chenopodioides, Moq.
Atriplex argentea, Nutt.
canescens, James.
confertifolia, Watson.
patula, L.
Eurotia lanata, Moq.
Corispermum hyssopifolium, L.
Suckleya petiolaris, Gray; very rare.
Shepherdia Canadensis, Nutt.
Comandra pallida, DC.
Urtica gracilis, Ait.
Parietaria Pennsylvanica, Muhl.
Humulus Lupulus, L.
Euphorbia dictyosperma, F. & M.
Fendleri, T. & G.
glyptosperma, Engelm.
dentata, Mx.
marginata, Pursh.
montana, Engelm.
petaloidea, Engelm.
revoluta, Engelm.
serpyllifolia, Pers.
stictospora, Engelm.
Tragia stylaria, Torr.
Croton Texensis, Mull.
Argythamnia humilis, Mull.
Callitriche verna, L.
Betula glandulosa, Mx.
occidentalis, Hook.
Alnus incana, Willd., var. virescens, Watson.
Salix arctica, Pall., var. petræa, And.
chlorophylla, And.
cordata, Muhl.
desertorum, And.
longifolia, Muhl., var. argyrophylla, And.
irrorata, And.
nigra, Marshall, var. amygdaloides, And.
Novæ-Angliæ, var. pseudo-cordata, And.
reticulata, L.
rostrata, Richards.
Populus balsamifera, L., var. candicans, Gray.
angustifolia, James.
tremuloides, Mx.
Quercus undulata, var. Gunnisoni, Torr.
Corylus rostrata, Ait.

Arceuthobium robustum, Engelm.
Juniperus occidentalis, Hook.
communis, L., var. humilis, Eng.
Virginiana, L.
Abies concolor, Lindl.
subalpina, Engelm.
Pseudotsuga Douglasii, Carr.
Picea pungens, Engelm.
Engelmanni, Parry.
Pinus aristata, Engelm.
contorta, Engelm.
flexilis, James.
ponderosa, Dougl.
edulis, Engelm.
Habenaria hyperborea, Gray.
obtusata, Lindl.
dilatata, Gray.
Spiranthes Romanzoffiana, Cham.
Listera cordata, R. Br.
Iris Missouriensis, Nutt.
Sisyrinchium mucronatum, Mx.
Allium cernuum, Roth.
reticulatum, Fras.
Nuttallii, Watson.
Leucocrinum montanum, Nutt.
Smilacina amplexicaulis, Nutt.
stellata, Desf.
Yucca angustifolia, Pursh. (Fls. and fruit, no leaves.)
Lilium Philadelphicum, L.
Lloydia serotina, Reich.
Calochortus Gunnisoni, Watson.
Streptopus amplexifolius, DC.
Zygadenus elegans, Pursh.
Nuttallii, Gray.
Smilax herbacea, L., var. inodora, Jones.
Sparganium eurycarpum, Engelm.
Lemna minor, L.
Zannichellia palustris, L.
Potamogeton natans, L.
pectinatus, L.
rufescens, Schrad.
pauciflorus, Pursh.
Triglochin palustre, L.
Alisma Plantago, L., var. Americanum, Gray.
Sagittaria variabilis, Engelm.
Luzula spadicea, DC., var. parviflora, Ledeb.
var. congesta, Engelm. (ms.)
spicata, Desv.
Juncus alpinus, Vill.
Balticus, Deth., var. montanus, Engelm.
bufonius, L.
Drummondii, E. Meyer.
longistylis, Torr.
Mertensianus, Meyer.
nodosus, L., var. (near to typical form.)
var. megacephalus, Torr.
tenuis, Willd.
var. congestus, Engelm.
triglumis, L.
xiphioides, E. Meyer, var. montanus, Engelm.
Tradescantia Virginica, L.
Cyperus inflexus, Muhl.
Schweinitzii, Torr.
filiculmis, Vahl.
Scirpus pauciflorus, Lightf.
pungens, Vahl.
lacustris, L., var. occidentalis, Watson.
atrovirens, Muhl.
Eriophorum polystachyon, L.
Hemicarpha subsquarrosa, Nees, var. squarrosa, Engelm.
Eleocharis acicularis, R. Br.
palustris, R. Br.
Elyna spicata, Schk.
Carex alpina, L.
aquatilis, Wahl.
atrata, L., var. nigra, Boott.
aurea, Nutt.
Backii, Boott.
Bonplandii, Kunth, var. angustifolia, Boott.
bromoides, Schk.
canescens, L.
capillaris, L.
disticha, Huds.
festiva, Dewey.
filifolia, Nutt.
lanuginosa, Mx.
limula, Fries. (Not of Gray's
nigricans, E. Meyer. [Manual.)
Pennsylvanica, Lam.
rigida, Good.
Rossii, Boott.

Carex saxatilis, L. (pulla, Good.)
siccata, Dewey.
stenophylla, Wahl.
straminea, Schk.
var. tenera, Carey.
var. minor, Dewey.
tenella, Schk.
trichocarpa, Muhl., var. imberbutriculata, Boott. [is, Carey.
Pyrenaica, Wahl.
Hallii, Olney.
affinis, R. Br.
marcida, Boott.
Hoodii, Boott.
stellulata, L., var. scirpoides, Liddoni, Boott. [Carey.
scoparia, Schk.
Jamesii, Torr.
var. (Not C. Nebraskensis.)
verticillata, Boott.
stricta, Lam.
flava, L., var. Œderi, W. Boott.
Panicum capillare, L.
Crus-galli, L.
dichotomum, L.
pauciflorum, Ell.
virgatum, L.
Setaria Italica, Kunth.
viridis, Beauv.
caudata, R. & S.
Cenchrus tribuloides, L.
Leersia oryzoides, Swartz.
Alopecurus aristulatus, Mx.
alpinus, Smith.
Phleum alpinum, L.
pratense, L.
Beckmannia erucæformis, Host.
Hierochloa borealis, R. & S.
Phalaris arundinacea, L.
Canariensis, L.
Vilfa cuspidata, Torr.
longifolia.
tricholepis, Torr.
Sporobolus airoides, Torr.
cryptandrus, Gray.
ramulosus, Kunth.
asperifolius, Thurber.
Agrostis scabra, Willd.
varians, Trin.
vulgaris, With.
Muhlenbergia gracilis, Gray.
var. Fendleri, Vasey.
gracillima, Torr.
glomerata, Trin.? ="1986, C. Wright; collected in New Mexico by Wright and ticketed as above but I think must be a new species."
sylvatica, T. & G. [Vasey.
Texana, Thurb.
Vaseya comata, Thurb.
Calamagrostis Canadensis, Beauv.
stricta, Trin.
longifolia, Torr.
sylvatica, DC.
Oryzopsis asperifolia, Mx.
micrantha, Thurb.
Eriocoma cuspidata, Nutt.
Stipa comata, Trin. & Rup.
spartea, Trin.
viridula, Trin.
" var.
pennata, L., v. Americana, Vasey.
Aristida purpurea, Nutt., var. Fendleriana, Vasey.
var. longiseta, Vasey.
Spartina cynosuroides, Willd.

Bouteloua curtipendula, Gray.
oligostachya, Torr.
Buchloe dactyloides, Engelm.
Munroa squarrosa, Torr.
Leptochloa fascicularis, Gray.
Pleuraphis Jamesii, Torr.
Danthonia sericea, Nutt.
Avena striata, Mx.
Trisetum alpestre, Beauv.
spicatum.
subspicatum, Beauv.
var. molle, Gray.
Aira cæspitosa, L., var. arctica, Vasey.
var. montana, Vasey.
Tricuspis acuminata, Munro.
monstrosa.
trinerviglumis.
Dactylis glomerata, L.
Kœleria cristata, Pers.
Eatonia obtusata, Gray.
Melica bulbosa, Geyer.
Glyceria aquatica, Beauv.
nervata, Trin.
Catabrosa aquatica, Beauv.
Distichlis maritima, Raf.
var. stricta, Thurb.
Atropis Californica, Munro.
distans, Griseb. (Glyceria airoides, Thurb.; G. maritima, Reichenb.)
Poa trivialis, L.
abbreviata, R. Br.
tenuifolia, Thurb.
" ?
alpina, L.
" ?
arctica, R. Br.?
cæsia, Smith.
" ?
" var. strictior, Gray.
flexuosa, Muhl., var.?
" var. occidentalis, Gray.
laxa, Hænke.
pratensis, L.
" ?
" var.
serotina, Ehrh.
Eragrostis poæoides, Beauv., var. megastachya, Gray.
Purshii, Bernh.
Festuca tenella, Willd.
ovina, L.
var. duriuscula, Gray.
var. brevifolia, Watson.
Thurberi, Vasey.
Bromus secalinus, L.
Kalmii, Gray, var. occidentalis.
ciliatus, var. purgans, L.
Ceratochloa breviaristata, Hook.
Lepturus paniculatus, Nutt.
Triticum caninum, L.
— between caninum and repens.
repens, L.
" Double spikelets.
var. acutum, Vasey.
var. compactum, Vasey.
violaceum, Hornem.
strigosum, Less.
Hordeum nodosum, L.
pratense, Hudson.
Elymus arenarius, L.
Canadensis, L.
Sitanion, Schult.
condensatus, Presl., var. triticoides, Thurb.
Virginicus, L., var., new.

Elymus Sibiricus, L.
Andropogon glaucus.
scoparius, Mx.
Sorghum avenaceum, Chapm.?
Equisetum arvense, L.
pratense, Ehrh.
lævigatum, Braun.
Polypodium vulgare, L. (A very reduced form, alt. 8,800 feet.)
Pteris aquilina, L.
Cheilanthes Fendleri, Hook.
lanuginosa, Nutt.
Eatoni, Hook.
Notholæna Fendleri, Kunze.
Pellæa atropurpurea, Link.
Cryptogramme acrostichoides, R. Br.
Aspidium Filix-mas, Swartz.
Asplenium Trichomanes, L.
septentrionale, L.
Cystopteris fragilis, Bernh.
Woodsia Oregana, Eaton.
scopulina, Eaton.
Selaginella rupestris, Spring.
Chara, two species not named.
Dicranum virens, Hedw.
Didymodon rubellus, Br. Eur.
Hedwigia ciliata, Ehrh.
Encalypta vulgaris, L.
Funaria hygrometrica, Hedw.
Bryum pendulum, Schimp.
intermedium, W. & M.
bimum, Schreb.
pyriforme, L.
Timmia megapolitana, Hedw.
Pogonatum alpinum, Brid., var. campanulatum.
Aulacomnion palustre, Schwaegr.
Hypnum uncinatum, Hedw.
rugosum, Ehrh.
abietinum, L.
Marchantia polymorpha, L.
Evernia vulpina, Wulf.
Placodium elegans, (Link) Nyl.
Peltigera aphthosa, Hoffm.
Usnea barbata, Fries.
Claydonia turgida, Hoffm.
fimbriata.

FUNGI.

Puccinia Physalidis, Peck n. sp.
Uromyces excavatus, DC.
hyalinus, Peck.
Lupini, B. & C.
Trichobasis Leguminosarum, Link.
gaurinum, Peck n. sp.
Sorosporium Astragali, Peck n. sp.
atrum, Peck n. sp.
Coleosporium miniatum, Bon.
Æcidium Euphorbiæ, Pers.
hemisphæricum, Peck.
gaurina, Peck n. sp.
Psoraleæ, Peck.
Microsphæria holosericea, Lev.
Sphærella megastoma, Peck n. sp.
Erysiphe communis?
Melampsora Hartigii, Thum.
Ustilago urceolarum, Tul.

KANSAS PLANTS.

Viola pubescens, Ait., var. eriocarpa, Nutt. (Fruit.)
Æsculus arguta, Buckl.
Astragalus mollissimus, Torr.